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Front cover illustration: ***High lycopene tomato mutants***. Recently the article "Is lycopene beneficial to human health" by Peter M. Bramley appeared in *Phytochemistry*, 54 (2000) 233–236. The front cover illustration showing high lycopene containing tomato mutants complements this article. Top left: *Lycopersicon esculentum* Mill. cv. Ailsa Craig (wild type) showing fruit development and ripening; top right: old gold Crimson (*ogc*) mutant which contains elevated lycopene levels; bottom left: high pigment (*hp*) mutant having an increased lycopene and β-carotene content; bottom right: internal pigmentation in descending order wild type, *hp* and *ogc*. Hplc analysis of carotenoids are included showing the increased lycopene in the *ogc* mutant is due to the down-regulation of β-carotene formation (prepared by P. Fraser, J.W. Kaino and P.M. Bramley, Biochemistry Department, Royal Holloway University of London, Egham, Surrey, TW20 0EX).

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